

Converting Colors

XYZ(47.8882, 39.5122, 99.7104)

Have a look what the booklet for
XYZ(47.8882, 39.5122, 99.7104)
contains.

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Color

**XYZ(47.8013, 39.4674,
99.7063)**

Conversions

Conversions Part 1

Format	Color
Hex	B299FF
RGB	178, 153, 255
RGB Percent	70%, 60%, 100%
CMY	0.3019, 0.4000, 0.0000
CMYK	0.30, 0.40, 0.00, 0.00
HSL	255°, 100%, 80%
HSV	255°, 40%, 100%
XYZ	47.8013, 39.4674, 99.7063
YIQ	172.1030, -17.8420, 37.0220

Conversions

Conversions Part 2

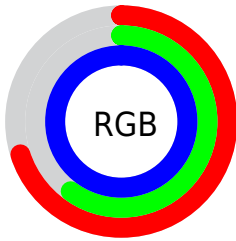
Format	Color
R_{YB}	178, 153, 255
Decimal	11704831
CIE _{Lab}	69.09, 30.86, -47.51
CIE _{LCh}	69, 56.655, 303.006
Yxy	39.4674, 0.2557, 0.2111
Android (android.graphics.Color)	4289894911 (0xFFB299FF)
YUV	172.1030, 40.8682, 5.1717
Hunter-Lab	62.8231, 25.8780, -50.1228

Details

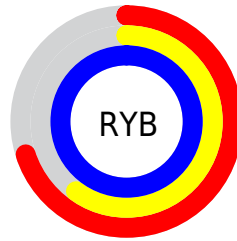
The XYZ color **47.8013, 39.4674, 99.7063** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.1430, 90.6429, 43.7264**, and the grayscale version is **39.0721, 41.1069, 44.7654**.

A 20% lighter version of the original color is **75.1979, 70.1646, 104.1875**, and **22.9705, 17.7175, 55.6352** is the 20% darker color. If you saturate the color by 10%, you get **39.9538, 29.8748, 98.2684**, and if you desaturate by 10%, it is **57.1630, 51.1659, 101.4709**.

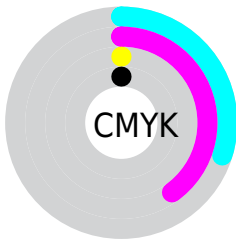
Distribution



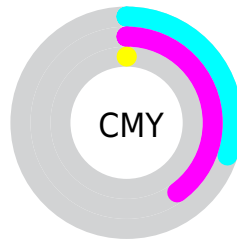
- Red (70%)
- Green (60%)
- Blue (100%)



- Red (70%)
- Yellow (60%)
- Blue (100%)



- Cyan (30%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8013, 39.4674, 99.7063 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 47.8013, 39.4674, 99.7063 by changing the saturation by 10% instead.

47.8013, 39.4674,
99.7063

47.8013, 39.4674,
99.7063

368.5997,
343.8736, 580.4893

33.8802, 27.1235,
75.4398

86.1200, 74.3518,
162.8019

22.9640, 17.6660,
55.4693

111.2482, 97.6611,
202.4680

14.6875, 10.7105,
39.3765

140.8429,
125.3944, 248.1044

8.6852, 5.8725,
26.7426

175.2693,
157.9360, 300.1296

4.5919, 2.7677,
17.1493

214.8928,
195.6703, 358.9621

2.0421, 1.0117,
10.1779

260.0788,

0.6575, 0.0000,

238.9818, 425.0205

5.4099

311.1927,
288.2547, 498.7234

■ 0.0000, 0.0000,
2.4268

■ 0.0000, 0.0000,
0.8010

■ 47.8013, 39.4674,
99.7063

■ 47.8013, 39.4674,
99.7063

■ 39.9538, 29.8748,
98.2684

■ 57.1630, 51.1659,
101.4709

■ 33.5335, 22.2558,
97.1361

■ 68.1113, 65.0828,
103.5801

■ 28.4503, 16.4698,
96.2872

■ 80.7187, 81.3280,
106.0513

■ 24.6013, 12.3549,
95.6958

95.0500, 100.0000,
108.9000

■ 21.8669, 9.7198,
95.3313

■ 20.0685, 8.2606,
95.1445

■ 20.0683, 8.2605,
95.1445

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4316, 39.4674, 114.3300



47.8013, 39.4674, 99.7063



55.2326, 39.4674, 69.7639

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.8013, 39.4674, 99.7063



45.9693, 39.4674, 12.1253



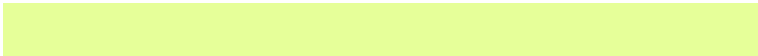
22.6927, 39.4674, 45.6373

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.8013, 39.4674, 99.7063



74.1430, 90.6429, 43.7264

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.0568, 39.4674, 24.1050



47.8013, 39.4674, 99.7063



36.6083, 39.4674, 9.9642

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.8013, 39.4674, 99.7063



54.0612, 39.4674, 21.1582



28.8175, 39.4674, 13.2835



24.7411, 39.4674, 76.1985

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.8013, 39.4674, 99.7063



57.5480, 39.4674, 49.3251



28.8175, 39.4674, 13.2835



22.7682, 39.4674, 37.1916

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47.8026, 39.4689, 99.7065



78.0597, 77.8857, 105.5270



59.8196, 71.2569, 105.2089



16.3444, 16.2010, 22.5156



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.8026, 39.4689, 99.7065



41.4056, 31.6302, 98.5307



61.3735, 46.4649, 100.3416



17.4200, 17.5927, 22.7276



10.5981, 4.3740, 49.7203



1.1257, 0.4742, 4.8455

Inverse Universe

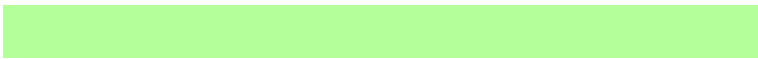
The Inverse Universe completely reimagines the original color for something new.



66.9146, 49.7566, 80.9398



63.1633, 43.3619, 76.2738



60.3795, 83.5476, 43.0823



18.5912, 18.2198, 21.7302



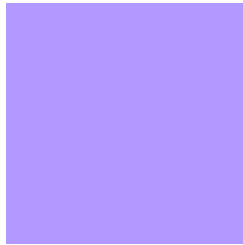
26.6114, 13.1338, 27.6677



2.6342, 1.2961, 2.9211

Previews

White Background



This preview shows how the XYZ color 47.8013, 39.4674, 99.7063 looks on a white background.

Color Contrast Check

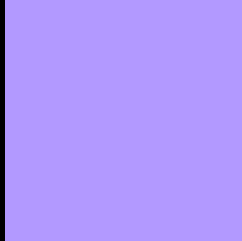
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 47.8013, 39.4674, 99.7063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

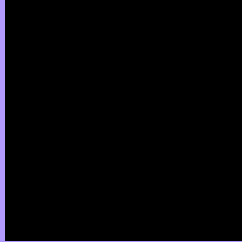
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8013, 39.4674, 99.7063

Background



This preview shows how black text looks on a background with the XYZ color 47.8013, 39.4674, 99.7063.



This preview shows how white text looks on a background with the XYZ color 47.8013, 39.4674,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47.8013, 39.4674, 99.7063

Protanopia

42.0027, 39.8108, 100.0782

Deuteranopia

40.9334, 39.8588, 97.6316



Tritanopia

37.7357, 39.5399, 49.8990

Trichromacy



Original Color

47.8013, 39.4674, 99.7063

Protanomaly

43.7438, 39.3851, 99.9043

Deuteranomaly

43.0396, 39.5821, 98.3002

Tritanomaly

40.7543, 39.1227, 65.7250

Monochromacy



Original Color

47.8013, 39.4674, 99.7063

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.5714, 40.1732, 61.4403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8013, 39.4674, 99.7063 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(178, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 153, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(178, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.8013, 39.4674, 99.7063 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 153, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(178, 153, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(178, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8013, 39.4674, 99.7063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 153, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(178,  
153, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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